

DAILY FIELD ACTIVITIES SUMMARY REPORT			
PROJECT NAME: R&H Oil/Tropicana Energy Site, San Antonio, Texas			
Date: 10/10/11	Shift Beginning: 08:15 hours		Shift Ending: 15:50 hours
RAC II Contract No.: EP-W-06-004		Task Order No.: 0074	
EPA Region 6 TOM: Chris Villarreal		Project Manager: Ted Telisak	
Design Manager: N/A		Site Scientist: Duane Thomas	
Design Engineer: N/A		Site Engineer: N/A	
Personnel on site	Name	Affiliation	Reason for being on site
EA:	Duane Thomas	EA	Soil Vapor/Sub Slab Vapor Investigation Oversight
Subcontractors:	N/A		
Other:	Tim Jennings Matt Sutherland	PBW PBW	Environmental Consultant Junior Engineer
Work Performed			
<p>Pastor, Behling &amp; Wheeler, LLC (PBW) is the environmental consultant that is conducting the remedial investigation field activities. EA is providing oversight of field activities on behalf of EPA.</p> <p>EA oversaw PBW as they began their soil vapor/sub slab vapor intrusion sampling investigation. The day's activities began with the drilling and installation of sample tubing in the "old lab" building. PBW used a hammer drill with a 3/8" bit to drill through the foundation pad. Poly tubing was passed through the hole to the space below the slab. The thickness of the pad was about 7 inches. After the tube was inserted into the hole in the slab, a bentonite clay seal was placed around the hole and poly tubing. Three sample locations were installed with this method. The sampling locations were SS-1 through SS-3.</p> <p>After completing the sub slab sample locations, PBW began the installation of the soil gas vapor sample points. The sample locations were named after the monitoring well the borings were placed next to. Each boring was placed 4 feet from the existing monitoring well.</p> <p>The borings were completed by a Geoprobe track rig using two inch rods. The Geoprobe pushed the rods to 6 feet using the hydraulic hammer. After the rods were extracted, a 6 inch stainless steel mesh screen point was attached to the end of a 3/8" poly tube. The point and tubing were placed in the hole to the total depth. A 1-foot filter pack of coarse grain sand was placed around the sample point. The hole was then filled in with granular bentonite well seal to the ground surface. The bentonite was hydrated with water. Nine sample points were done with this method. The locations were MW's 12, 14, 13, 15, 16, 17, 19, 18 and 20.</p> <p>PBW deviated from their work plan by installing MW-15 sample point at 4.5' bgs. The work plan called for all borings to be from 5-7 feet bgs. A highly impacted waste soil was encountered at 4.5' and it would not permit the bore hole to stay open beyond that depth.</p> <p>All the sample points were left overnight to "equilibrate" and will be sampled the following day, 10/11/11.</p> <p>After completing the soil vapor sample point installation, PBW began sampling of LNAPL in MW-14, MW-12, MW-15 and MW-5. The sample was collected using a 2-inch polyethylene bailer. Product thickness was gauged and recorded using a Solinst interface probe. PBW submitted the samples for analysis of chemical constituents, physical properties and chemical fingerprint.</p>			
Anticipated Activities for the Following Day			
Sampling of all soil gas vapor and sub-slab vapor locations installed on 10/10/11. The storm water in the ditch north of the site may also be sampled.			
Report prepared by (name and date)			
Duane Thomas 10/11/11			